P RTAL
USPTO

Search: ⦿ The ACM Digital Library   ○ The Guide

XML source target and rules   **SEARCH**

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction survey

Terms used **XML** **source** **target** and **rules**   Found **50,526** of **185,178**

Sort results by   relevance ▾

Display results   expanded form ▾

❖ Save results to a Binder

? Search Tips

☐ Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next
Best 200 shown   Relevance scale ☐ ▭ ▬ ▬ ■

---

1 DB-1 (databases): data integration: Composable XML integration grammars

Wenfei Fan, Minos Garofalakis, Ming Xiong, Xibei Jia

November 2004 **Proceedings of the thirteenth ACM international conference on Information and knowledge management CIKM '04**
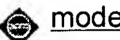
Publisher: ACM Press

Full text available: 📄 pdf(257.14 KB)   Additional Information: full citation, abstract, references, index terms

The proliferation of XML as a standard for data representation and exchange in diverse, next-generation Web applications has created an emphatic need for effective XML data-integration tools. For several real-life scenarios, such XML data integration needs to be <i>DTD-directed</i> -- in other words, the target, integrated XML database must conform to a prespecified, user- or application-defined DTD. In this paper, we propose a novel formalism, <i>XML Integration Grammars (XIGs)&# ...

Keywords: XML, data integration, grammar

---

2 Web application design: Building adaptable and reusable XML applications with model transformations

Ivan Kurtev, Klaas van den Berg

May 2005 **Proceedings of the 14th international conference on World Wide Web**

Publisher: ACM Press

Full text available: 📄 pdf(194.71 KB)   Additional Information: full citation, abstract, references, index terms

We present an approach in which the semantics of an XML language is defined by means of a transformation from an XML document model (an XML schema) to an application specific model. The application specific model implements the intended behavior of documents written in the language. A transformation is specified in a model transformation language used in the Model Driven Architecture (MDA) approach for software development. Our approach provides a better separation of three concerns found in XML ...

Keywords: MDA, XML, XML processing, model transformations, transformation language

---

3 Document based architecture & applications: Model driven architecture based XML processing

Ivan Kurtev, Klaas van den Berg

November 2003 **Proceedings of the 2003 ACM symposium on Document engineering**

Publisher: ACM Press

Full text available: 📄 pdf(132.85 KB)   Additional Information: full citation, abstract, references, index terms

A number of applications that process XML documents interpret them as objects of application specific classes in a given domain. Generic interfaces such as SAX and DOM leave this interpretation completely to the application. Data binding provides some automation but it is not powerful enough to express complex relations between the application model and the document syntax. Since document schemas play the role of models of documents we can define document processing as model-to-model transformat ...

Keywords: MDA, XML processing, transformations

---

4 Model transformation (MT 2006): Evaluation of rule-based modularization in model transformation languages illustrated with ATL

Ivan Kurtev, Klaas van den Berg, Frédéric Jouault
April 2006 **Proceedings of the 2006 ACM symposium on Applied computing SAC '06**
Publisher: ACM Press

Full text available: pdf(298.09 KB)   Additional Information: full citation, abstract, references, index terms

This paper studies ways for modularizing transformation definitions in current rule-based model transformation languages. Two scenarios are shown in which the modular units are identified on the base of the relations between source and target metamodels and on the base of generic transformation functionality. Both scenarios justify modularization by requiring adaptability and reusability in transformation definitions. To enable representation and composition of the identified units, a transforma ...

Keywords: ATL, adaptability, model transformations, modularity, reusability, transformation languages

---

5 Document searching, document annotation, and document metadata: XML active transformation (eXAcT): transforming documents within interactive systems

Olivier Beaudoux
November 2005 **Proceedings of the 2005 ACM symposium on Document engineering DocEng '05**
Publisher: ACM Press

Full text available: pdf(208.23 KB)   Additional Information: full citation, abstract, references, index terms

Stylesheets and batch transformations are the most widely used techniques to transform "abstract" documents into target presentation documents. Despite the recent introduction of incremental transformations, several important features required by interactive systems are yet to be addressed, such as multiple sources (e.g. preferences and resources), multiple targets (e.g. multiple views), source-to-target linking (e.g. interacting with the source *via* the tar-get), and bidirectional linking ...

Keywords: GUI, SVG, XML, active transformations, authoring tools

---

6 XML Applications: An incremental XSLT transformation processor for XML document manipulation

Lionel Villard, Nabil Layaïda
May 2002 **Proceedings of the 11th international conference on World Wide Web**
Publisher: ACM Press

Full text available: pdf(486.95 KB)   Additional Information: full citation, abstract, references, citings, index terms

In this paper, we present an incremental transformation framework called incXSLT. This framework has been experimented for the XSLT language defined at the World Wide Web Consortium. For the currently available tools, designing the XML content and the transformation sheets is an inefficient, a tedious and an error prone experience. Incremental transformation processors such as incXSLT represent a better alternative to

help in the design of both the content and the transformation sheets. We belie ...

Keywords: XML, XSLT, authoring tools, incremental transformations

7 <u>Research sessions: data integration: Constraint-based XML query rewriting for data integration</u>

Cong Yu, Lucian Popa

June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data**

Publisher: ACM Press

Full text available: pdf(240.77 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

We study the problem of answering queries through a target schema, given a set of mappings between one or more source schemas and this target schema, and given that the data is at the sources. The schemas can be any combination of relational or XML schemas, and can be independently designed. In addition to the source-to-target mappings, we consider as part of the mapping scenario a set of target constraints specifying additional properties on the target schema. This becomes particularly importan ...

8 <u>Research session 1: querying xml & semistructured data / query languages: XML data exchange: consistency and query answering</u>
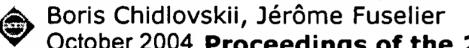
Marcelo Arenas, Leonid Libkin

June 2005 **Proceedings of the twenty-fourth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems**

Publisher: ACM Press

Full text available: pdf(242.86 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

Data exchange is the problem of finding an instance of a target schema, given an instance of a source schema and a specification of the relationship between the source and the target. Theoretical foundations of data exchange have recently been investigated for relational data.In this paper, we start looking into the basic properties of XML data exchange, that is, restructuring of XML documents that conform to a source DTD under a target DTD, and answering queries written over the target schema. ...

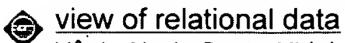**9** <u>Theory and medels II: Supervised learning for the legacy document conversion</u>

Boris Chidlovskii, Jérôme Fuselier

October 2004 **Proceedings of the 2004 ACM symposium on Document engineering**

Publisher: ACM Press

Full text available: pdf(180.71 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

We consider the problem of document conversion from the rendering-oriented HTML markup into a semantic-oriented XML annotation defined by user-specific DTDs or XML Schema descriptions. We represent both source and target documents as rooted ordered trees so the conversion can be achieved by applying a set of tree transformations. We apply the supervised learning framework to the conversion task according to which the tree transformations are learned from a set of training examples. %Because o ...

Keywords: XML markup, legacy document conversion, machine learning

10 <u>Query and view processing: Generating rules for incremental maintenance of XML view of relational data</u>

Vânia Maria Ponte Vidal, Marco Antonio Casanova, Valdiana da Silva Araujo

November 2003 **Proceedings of the 5th ACM international workshop on Web information and data management**

Publisher: ACM Press

Full text available: pdf(340.28 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

This work addresses the problem of incremental maintenance of XML views defined on top of relational data. In order to incrementally maintain a XML view, event-condition-rules should be specified for the relational source. Such rules are responsible for correctly modifying the XML view content in order to reflect changes made to the base source.This work proposes an approach where incremental view maintenance rules are derived from view correspondence assertions, which specify relationships betw ...

Keywords: XML, incremental view maintenance, relational database

11 Automating XML documents transformations: a conceptual modelling based approach
A. Boukottaya, C. Vanoirbeek, F. Paganelli, O. Abou Khaled
January 2004 **Proceedings of the first Asian-Pacific conference on Conceptual modelling - Volume 31 APCCM '04**
Publisher: Australian Computer Society, Inc.
Full text available: pdf(366.94 KB)   Additional Information: full citation, abstract, references, index terms

The growing use of XML mark-up language has made a large amount of heterogeneous XML documents widely available. As the number of applications that utilize heterogeneous XML documents grows, the importance of XML documents transformations increases greatly. A serious obstacle for translating directly between two XML documents, using languages like XSLT, is that a mapping between the two XML representations needs to be carefully specified by a human expert. Current research attempts to address th ...

Keywords: Layered Interoperability Model for XML Schemas, automating XML documents transformations, conceptual modelling, semantic matching

12 Transformations and Experiences: VXT: a visual approach to XML transformations
Emmanuel Pietriga, Jean-Yves Vion-Dury, Vincent Quint
November 2001 **Proceedings of the 2001 ACM Symposium on Document engineering**
Publisher: ACM Press
Full text available: pdf(165.99 KB)   Additional Information: full citation, abstract, references, citings, index terms

The domain of XML transformations is becoming more and more important as a result of the increasing number of applications adopting XML as their format for data exchange or representation. Most of the existing solutions for expressing XML transformations are textual languages, such as XSLT or DOM combined with a general-purpose programming language. Several tools build on top of these languages, providing a graphical environment. Transformations are however still specified in a textual way using ...

Keywords: XML transformations, XSLT, circus, visual programming languages, zoomable user interfaces

13 From UML to LQN by XML algebra-based model transformations
Gordon P. Gu, Dorina C. Petriu
July 2005 **Proceedings of the 5th international workshop on Software and performance WOSP '05**
Publisher: ACM Press
Full text available: pdf(231.43 KB)   Additional Information: full citation, abstract, references, index terms

The change of focus from code to models promoted by OMG's Model Driven Development raises the need for verification of non-functional characteristics of UML models. such as performance, reliability, scalability, security, etc. Many modeling formalisms, techniques and tools have been developed over the years for the analysis of different non-functional characteristics. The challenge is not to reinvent new analysis methods for UML models, but to bridge the gap between UML-based software developmen ...

Keywords: LQN, UML, XMI, XML, automatic model building, model transformations, performance profile, software performance engineering

14 Aurora: a conceptual model for Web-content adaptation to support the universal usability of Web-based services
Anita W. Huang, Neel Sundaresan
November 2000 **Proceedings on the 2000 conference on Universal Usability**
Publisher: ACM Press

Full text available: pdf(804.10 KB)   Additional Information: full citation, abstract, references, citings, index terms

Users of the World Wide Web (Web) have a diverse set of needs, abilities, and goals. To achieve universal usability, the Web today calls for the development of new systems that enable the same content to be adapted for display according to these various needs. This paper presents Aurora, an extensible transcoding system that targets and adapts content in existing Web pages to help the broadest population of users, particularly in the disabled community, to obtain various Web-based services, s ...

Keywords: Web accessibility, Web intermediaries, XML transcoding, adaptability, disabled users

15 A declarative approach to optimize bulk loading into databases
Sihem Amer-Yahia, Sophie Cluet
June 2004 **ACM Transactions on Database Systems (TODS)**, Volume 29 Issue 2
Publisher: ACM Press
Full text available: pdf(1.00 MB)   Additional Information: full citation, abstract, references, index terms

Applications, such as warehouse maintenance, need to load large data volumes regularly. The efficiency of loading depends on the resources that are available at the source and at the target systems. Our work aims to understand the performance criteria that are involved in bulk loading data into a database and to devise tailored optimization strategies.Unlike commercial systems and previous research on the same topic, our approach follows the fundamental database principle of physical-logical ind ...

Keywords: Declarative bulk loading, algebra, recovery, side-effects

16 XML processing: TREX: DTD-conforming XML to XML transformations
Aoying Zhou, Qing Wang, Zhimao Guo, Xueqing Gong, Shihui Zheng, Hongwei Wu, Jianchang Xiao, Kun Yue, Wenfei Fan
June 2003 **Proceedings of the 2003 ACM SIGMOD international conference on Management of data**
Publisher: ACM Press
Full text available: pdf(88.41 KB)   Additional Information: full citation, references, citings, index terms

17 Effective Web data extraction with standard XML technologies
Jussi Myllymaki
April 2001 **Proceedings of the 10th international conference on World Wide Web**
Publisher: ACM Press
Full text available: pdf(198.81 KB)   Additional Information: full citation, references, citings, index terms

Keywords: crawling, data extraction, deep Web, semistructured data, wrappers

18 Human-computer interaction: A visual approach to define XML to FO transformations ▪

Gerardo Canfora, Luigi Cerulo

July 2002 **Proceedings of the 14th international conference on Software engineering and knowledge engineering SEKE '02**

Publisher: ACM Press

Full text available: 📄 pdf(307.62 KB)   Additional Information: full citation, abstract, references, index terms

XML is the most influential standard for data exchange and Web presentation. The power of XML derives from the fact that the aspects of structuring, representing and visualizing a piece of information are handled independently with specific tools.In this article we deal with the information visualization aspect, which in XML is managed through XSLT transformations, and propose a visual approach to define XML to FO transformations. The approach has been implemented in a graphical environment that ...

Keywords: document presentation, extensible markup, extensible stylesheet language transformations (XSL-T), formatting objects (FO), language (XML), visual languages

19 Session 3: Stylesheet transformations for interactive visualization: towards a Web3D ▪ chemistry curricula

Nicholas F. Polys

March 2003 **Proceeding of the eighth international conference on 3D Web technology**

Publisher: ACM Press

Full text available: 📄 pdf(574.50 KB)   Additional Information: full citation, abstract, references, citings, index terms

Recent Standards specifications offer important but underemployed techniques to maximize access-to and distribution-of information for real-time 3D visualization over the web. This paper describes and evaluates such techniques to transform structured data such as Chemical Markup Language (CML) to different forms and contexts for Web3D delivery using Extensible Stylesheet Transformations (XSLT), Extensible 3D (X3D), and VRML97. Standards design approaches offer a number of advantages: data durabi ...

Keywords: education, information visualization, interactive 3D graphics, molecular chemistry

20 A model transformation framework for the automated building of performance models ▪ from UML models

Andrea D'Ambrogio

July 2005 **Proceedings of the 5th international workshop on Software and performance WOSP '05**

Publisher: ACM Press

Full text available: 📄 pdf(489.73 KB)   Additional Information: full citation, abstract, references

In order to effectively validate the performance of software systems throughout their development cycle it is necessary to continuously build performance models from software models and then use the obtained models to check whether the system is being developed according to its performance requirements. The model building activity is a critical and effort-consuming activity. Several approaches have been envisaged to endow software designers with tools that automatically build ready-to-evaluate p ...

Keywords: LQN, MDA, UML, automated model building, model transformation, software performance

Useful downloads: ⬛ Adobe Acrobat   ⬛ QuickTime   ⬛ Windows Media Player   ⬛ Real Player

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2576	715/513	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:09
L2	338	715/514	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:09
L3	477	715/523	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:09
L4	3887	XML and model and map and rules	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:09
L5	477	715/523	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:09
L6	3887	XML and model and map and rules	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:09
L7	338	715/514	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:09
L8	2576	715/513	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 17:09

09/14/06